

ABSTRACT OF THE DISCLOSURE

Electrokinetic fluid ejection is disclosed. A mechanism includes a sealed quantity of electrolytic solution, a measured quantity of fluid, and a membrane. The membrane is exposed to the electrolytic solution on one side, and exposed to fluid on another side. An electric potential applied to the electrolytic solution excites the solution, causing the membrane to discharge a droplet of fluid. This can be accomplished by the electrical potential pressuring the electrolytic solution, displacing the membrane and thus the fluid. This can also be accomplished by the electrical potential transferring energy to the solution, which transfers energy to the membrane. Energy is then transferred from the membrane to the fluid. The invention can be used as a manner by which inkjet printing is accomplished.